

CRF Error Corrected by the STIC Systems Branch

Serial Number: 10/035,212

CRF Processing Date: 1/29/2002
 Edited by: A
 Verified by: A (STIC staff)

ENTERED

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically:

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included:

☐ Deleted extra, invalid, headings used by an applicant, specifically:

☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____

☐ Inserted mandatory headings, specifically: _____

☐ Corrected an obvious error in the response, specifically:

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically:

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☒ Other: Seq 30 - inserted <2267



OIPE

RAW SEQUENCE LISTING

DATE: 01/29/2002

PATENT APPLICATION: US/10/035,212

TIME: 10:08:06

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01292002\J035212.raw

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4 <110> APPLICANT: Ruben, Steven M.
5      Jimenez, Pablo
6      Duan, D. Roxanne
7      Rampy, Mark A.
8      Mendrick, Donna
9      Zhang, Jun
10     Ni, Jian
11     Moore, Paul A.
12     Coleman, Timothy A.
13     Gruber, Joachim R.
14     Dillon, Patrick J.
15     Gentz, Reiner L.
17 <120> TITLE OF INVENTION: Keratinocyte Growth Factor-2
19 <130> FILE REFERENCE: 1488.0360000
C--> 21 <140> CURRENT APPLICATION NUMBER: US/10/035,212
C--> 22 <141> CURRENT FILING DATE: 2002-01-04
25 <150> PRIOR APPLICATION NUMBER: 60/259,853
26 <151> PRIOR FILING DATE: 2001-01-05
28 <150> PRIOR APPLICATION NUMBER: 60/286,368
29 <151> PRIOR FILING DATE: 2001-04-26
31 <150> PRIOR APPLICATION NUMBER: 60/331,168
32 <151> PRIOR FILING DATE: 2001-11-09
35 <160> NUMBER OF SEQ ID NOS: 176
37 <170> SOFTWARE: PatentIn Ver. 2.1
39 <210> SEQ ID NO: 1
40 <211> LENGTH: 627
41 <212> TYPE: DNA
42 <213> ORGANISM: Homo sapiens
44 <220> FEATURE:
45 <221> NAME/KEY: CDS
46 <222> LOCATION: (1)..(624)
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51   1           5           10           15
53 ccc ggc tgc tgc tgc tgc ttt ttg ctg ttc ttg gtg tct tcc   96
54 Pro Gly Cys Cys Cys Cys Phe Leu Leu Phe Leu Val Ser Ser
55           20           25           30
57 gtc cct gtc acc tgc caa gcc ctt ggt cag gac atg gtg tca cca gag   144
58 Val Pro Val Thr Cys Gln Ala Leu Gly Gln Asp Met Val Ser Pro Glu
59           35           40           45
61 gcc acc aac tct tct tcc tcc tcc ttc tcc tct cct tcc agc gcg gga   192
62 Ala Thr Asn Ser Ser Ser Ser Ser Phe Ser Ser Pro Ser Ser Ala Gly

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RAW SEQUENCE LISTING

DATE: 01/29/2002

PATENT APPLICATION: US/10/035,212

TIME: 10:08:06

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01292002\J035212.raw

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65 agg cat gtg cgg agc tac aat cac ctt caa gga gat gtc cgc tgg aga 240
66 Arg His Val Arg Ser Tyr Asn His Leu Gln Gly Asp Val Arg Trp Arg
67 65      70      75      80
69 aag cta ttc tct ttc acc aag tac ttt ctc aag att gag aag aac ggg 288
70 Lys Leu Phe Ser Phe Thr Lys Tyr Phe Leu Lys Ile Glu Lys Asn Gly
71      85      90      95
73 aag gtc agc ggg acc aag aag gag aac tgc ccg tac agc atc ctg gag 336
74 Lys Val Ser Gly Thr Lys Lys Glu Asn Cys Pro Tyr Ser Ile Leu Glu
75      100      105      110
77 ata aca tca gta gaa atc gga gtt gtt gcc gtc aaa gcc att aac agc 384
78 Ile Thr Ser Val Glu Ile Gly Val Val Ala Val Lys Ala Ile Asn Ser
79      115      120      125
81 aac tat tac tta gcc atg aac aag aag ggg aaa ctc tat ggc tca aaa 432
82 Asn Tyr Tyr Leu Ala Met Asn Lys Lys Gly Lys Leu Tyr Gly Ser Lys
83      130      135      140
85 gaa ttt aac aat gac tgt aag ctg aag gag agg ata gag gaa aat gga 480
86 Glu Phe Asn Asn Asp Cys Lys Leu Lys Glu Arg Ile Glu Glu Asn Gly
87 145      150      155      160
89 tac aat acc tat gca tca ttt aac tgg cag cat aat ggg agg caa atg 528
90 Tyr Asn Thr Tyr Ala Ser Phe Asn Trp Gln His Asn Gly Arg Gln Met
91      165      170      175
93 tat gtg gca ttg aat gga aaa gga gct cca agg aga gga cag aaa aca 576
94 Tyr Val Ala Leu Asn Gly Lys Gly Ala Pro Arg Arg Gly Gln Lys Thr
95      180      185      190
97 cga agg aaa aac acc tct gct cac ttt ctt cca atg gtg gta cac tca 624
98 Arg Arg Lys Asn Thr Ser Ala His Phe Leu Pro Met Val Val His Ser
99      195      200      205
101 tag 627
104 <210> SEQ ID NO: 2
105 <211> LENGTH: 208
106 <212> TYPE: PRT
107 <213> ORGANISM: Homo sapiens
109 <400> SEQUENCE: 2
110 Met Trp Lys Trp Ile Leu Thr His Cys Ala Ser Ala Phe Pro His Leu
111 1 5 10 15
113 Pro Gly Cys Cys Cys Cys Cys Phe Leu Leu Leu Phe Leu Val Ser Ser
114 20 25 30
116 Val Pro Val Thr Cys Gln Ala Leu Gly Gln Asp Met Val Ser Pro Glu
117 35 40 45
119 Ala Thr Asn Ser Ser Ser Ser Ser Phe Ser Ser Pro Ser Ser Ala Gly
120 50 55 60
122 Arg His Val Arg Ser Tyr Asn His Leu Gln Gly Asp Val Arg Trp Arg
123 65 70 75 80
125 Lys Leu Phe Ser Phe Thr Lys Tyr Phe Leu Lys Ile Glu Lys Asn Gly
126 85 90 95
128 Lys Val Ser Gly Thr Lys Lys Glu Asn Cys Pro Tyr Ser Ile Leu Glu
129 100 105 110
131 Ile Thr Ser Val Glu Ile Gly Val Val Ala Val Lys Ala Ile Asn Ser

```

RAW SEQUENCE LISTING

DATE: 01/29/2002

PATENT APPLICATION: US/10/035,212

TIME: 10:08:06

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01292002\J035212.raw

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132          115          120          125
134 Asn Tyr Tyr Leu Ala Met Asn Lys Lys Gly Lys Leu Tyr Gly Ser Lys
135          130          135          140
137 Glu Phe Asn Asn Asp Cys Lys Leu Lys Glu Arg Ile Glu Glu Asn Gly
138 145          150          155          160
140 Tyr Asn Thr Tyr Ala Ser Phe Asn Trp Gln His Asn Gly Arg Gln Met
141          165          170          175
143 Tyr Val Ala Leu Asn Gly Lys Gly Ala Pro Arg Arg Gly Gln Lys Thr
144          180          185          190
146 Arg Arg Lys Asn Thr Ser Ala His Phe Leu Pro Met Val Val His Ser
147          195          200          205
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152 <211> LENGTH: 36
153 <212> TYPE: DNA
154 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: Description of Artificial Sequence:
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160 <400> SEQUENCE: 3
161 cccacatgt ggaaatggat actgacacat tgtgcc          36
164 <210> SEQ ID NO: 4
165 <211> LENGTH: 35
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Description of Artificial Sequence:
171     oligonucleotide
173 <400> SEQUENCE: 4
174 cccaagcttc cacaaacggt gccttcctct atgag          35
177 <210> SEQ ID NO: 5
178 <211> LENGTH: 36
179 <212> TYPE: DNA
180 <213> ORGANISM: Artificial Sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: Description of Artificial Sequence:
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186 <400> SEQUENCE: 5
187 catgccatgg cgtgcccaagc ccttggtcag gacatg          36
190 <210> SEQ ID NO: 6
191 <211> LENGTH: 35
192 <212> TYPE: DNA
193 <213> ORGANISM: Artificial Sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: Description of Artificial Sequence:
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199 <400> SEQUENCE: 6
200 cccaagcttc cacaaacggt gccttcctct atgag          35
203 <210> SEQ ID NO: 7
204 <211> LENGTH: 35

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RAW SEQUENCE LISTING

DATE: 01/29/2002

PATENT APPLICATION: US/10/035,212

TIME: 10:08:06

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01292002\J035212.raw

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205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Description of Artificial Sequence:
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212 <400> SEQUENCE: 7
213 gcgggatccg ccatcatgtg gaaatggata ctcac          35
216 <210> SEQ ID NO: 8
217 <211> LENGTH: 27
218 <212> TYPE: DNA
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Description of Artificial Sequence:
223     oligonucleotide
225 <400> SEQUENCE: 8
226 gcgcggtacc acaaacgttg ccttcct          27
229 <210> SEQ ID NO: 9
230 <211> LENGTH: 40
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Description of Artificial Sequence:
236     oligonucleotide
238 <400> SEQUENCE: 9
239 taacgaggat ccgccatcat gtggaaatgg atactgacac      40
242 <210> SEQ ID NO: 10
243 <211> LENGTH: 38
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Description of Artificial Sequence:
249     oligonucleotide
251 <400> SEQUENCE: 10
252 taagcactcg agtgagtgta ccaccattgg aagaaatg      38
255 <210> SEQ ID NO: 11
256 <211> LENGTH: 54
257 <212> TYPE: DNA
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Description of Artificial Sequence:
262     oligonucleotide
264 <400> SEQUENCE: 11
265 attaacccctc actaaaggga ggccatgtgg aaatggatac tgacacattg tgcc      54
268 <210> SEQ ID NO: 12
269 <211> LENGTH: 35
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Description of Artificial Sequence:

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RAW SEQUENCE LISTING

DATE: 01/29/2002

PATENT APPLICATION: US/10/035,212

TIME: 10:08:06

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01292002\J035212.raw

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277 <400> SEQUENCE: 12
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281 <210> SEQ ID NO: 13
282 <211> LENGTH: 206
283 <212> TYPE: PRT
284 <213> ORGANISM: Homo sapiens
286 <400> SEQUENCE: 13
287 Met Ser Gly Pro Gly Thr Ala Ala Val Ala Leu Leu Pro Ala Val Leu
288   1             5             10             15
290 Leu Ala Leu Leu Ala Pro Trp Ala Gly Arg Gly Gly Ala Ala Ala Pro
291             20             25             30
293 Thr Ala Pro Asn Gly Thr Leu Glu Ala Glu Leu Glu Arg Arg Trp Glu
294             35             40             45
296 Ser Leu Val Ala Leu Ser Leu Ala Arg Leu Pro Val Ala Ala Gln Pro
297             50             55             60
299 Lys Glu Ala Ala Val Gln Ser Gly Ala Gly Asp Tyr Leu Leu Gly Ile
300             65             70             75             80
302 Lys Arg Leu Arg Arg Leu Tyr Cys Asn Val Gly Ile Gly Phe His Leu
303             85             90             95
305 Gln Ala Leu Pro Asp Gly Arg Ile Gly Gly Ala His Ala Asp Thr Arg
306             100            105            110
308 Asp Ser Leu Leu Glu Leu Ser Pro Val Glu Arg Gly Val Val Ser Ile
309             115            120            125
311 Phe Gly Val Ala Ser Arg Phe Phe Val Ala Met Ser Ser Lys Gly Lys
312             130            135            140
314 Leu Tyr Gly Ser Pro Phe Phe Thr Asp Glu Cys Thr Phe Lys Glu Ile
315             145            150            155            160
317 Leu Leu Pro Asn Asn Tyr Asn Ala Tyr Glu Ser Tyr Lys Tyr Pro Gly
318             165            170            175
320 Met Phe Ile Ala Leu Ser Lys Asn Gly Lys Thr Lys Lys Gly Asn Arg
321             180            185            190
323 Val Ser Pro Thr Met Lys Val Thr His Phe Leu Pro Arg Leu
324             195            200            205
327 <210> SEQ ID NO: 14
328 <211> LENGTH: 198
329 <212> TYPE: PRT
330 <213> ORGANISM: Homo sapiens
332 <400> SEQUENCE: 14
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334   1             5             10             15
336 Phe Leu Gly Ile Leu Val Gly Met Val Val Pro Ser Pro Ala Gly Thr
337             20             25             30
339 Arg Ala Asn Asn Thr Leu Leu Asp Ser Arg Gly Trp Gly Thr Leu Leu
340             35             40             45
342 Ser Arg Ser Arg Ala Gly Leu Ala Gly Glu Ile Ala Gly Val Asn Trp
343             50             55             60
345 Glu Ser Gly Tyr Leu Val Gly Ile Lys Arg Gln Arg Arg Leu Tyr Cys
346             65             70             75             80

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VERIFICATION SUMMARY

DATE: 01/29/2002

PATENT APPLICATION: US/10/035,212

TIME: 10:08:07

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01292002\J035212.raw

L:21 M:270 C: Current Application Number differs, Replaced Application Number

L:22 M:271 C: Current Filing Date differs, Replaced Current Filing Date



OIPE

RAW SEQUENCE LISTING

DATE: 01/23/2002

PATENT APPLICATION: US/10/035,212

TIME: 10:09:31

Input Set : A:\seqlist-1488.0360000

Output Set: N:\CRF3\01222002\J035212.raw

**Does Not Comply
Corrected Diskette Needed**

*Seq. 30 - inserted
C2207*

```

4 <110> APPLICANT: Ruben, Steven M.
5      Jimenez, Pablo
6      Duan, D. Roxanne
7      Rampy, Mark A.
8      Mendrick, Donna
9      Zhang, Jun
10     Ni, Jian
11     Moore, Paul A.
12     Coleman, Timothy A.
13     Gruber, Joachim R.
14     Dillon, Patrick J.
15     Gentz, Reiner L.
17 <120> TITLE OF INVENTION: Keratinocyte Growth Factor-2
19 <130> FILE REFERENCE: 1488.0360000
C--> 21 <140> CURRENT APPLICATION NUMBER: US/10/035,212
C--> 22 <141> CURRENT FILING DATE: 2002-01-04
25 <150> PRIOR APPLICATION NUMBER: 60/259,853
26 <151> PRIOR FILING DATE: 2001-01-05
28 <150> PRIOR APPLICATION NUMBER: 60/286,368
29 <151> PRIOR FILING DATE: 2001-04-26
31 <150> PRIOR APPLICATION NUMBER: 60/331,168
32 <151> PRIOR FILING DATE: 2001-11-09
35 <160> NUMBER OF SEQ ID NOS: 176
37 <170> SOFTWARE: PatentIn Ver. 2.1
39 <210> SEQ ID NO: 1
40 <211> LENGTH: 627
41 <212> TYPE: DNA
42 <213> ORGANISM: Homo sapiens
44 <220> FEATURE:
45 <221> NAME/KEY: CDS
46 <222> LOCATION: (1)..(624)
48 <400> SEQUENCE: 1
49 atg tgg aaa tgg ata ctg aca cat tgt gcc tca gcc ttt ccc cac ctg      48
50 Met Trp Lys Trp Ile Leu Thr His Cys Ala Ser Ala Phe Pro His Leu
51   1           5           10           15
53 ccc ggc tgc tgc tgc tgc tgc ttt ttg ttg ctg ttc ttg gtg tct tcc      96
54 Pro Gly Cys Cys Cys Cys Cys Phe Leu Leu Leu Phe Leu Val Ser Ser
55           20           25           30
57 gtc cct gtc acc tgc caa gcc ctt ggt cag gac atg gtg tca cca gag      144
58 Val Pro Val Thr Cys Gln Ala Leu Gly Gln Asp Met Val Ser Pro Glu
59           35           40           45
61 gcc acc aac tct tct tcc tcc tcc ttc tcc tct cct tcc agc gcg gga      192
62 Ala Thr Asn Ser Ser Ser Ser Ser Phe Ser Ser Pro Ser Ser Ala Gly

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RAW SEQUENCE LISTING

DATE: 01/23/2002

PATENT APPLICATION: US/10/035,212

TIME: 10:09:31

Input Set : A:\seqlist-1488.0360000

Output Set: N:\CRF3\01222002\J035212.raw

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63      50      55      60
65 agg cat gtg cgg agc tac aat cac ctt caa gga gat gtc cgc tgg aga 240
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67 65      70      75      80
69 aag cta ttc tct ttc acc aag tac ttt ctc aag att gag aag aac ggg 288
70 Lys Leu Phe Ser Phe Thr Lys Tyr Phe Leu Lys Ile Glu Lys Asn Gly
71      85      90      95
73 aag gtc agc ggg acc aag aag gag aac tgc ccg tac agc atc ctg gag 336
74 Lys Val Ser Gly Thr Lys Lys Glu Asn Cys Pro Tyr Ser Ile Leu Glu
75      100      105      110
77 ata aca tca gta gaa atc gga gtt gtt gcc gtc aaa gcc att aac agc 384
78 Ile Thr Ser Val Glu Ile Gly Val Val Ala Val Lys Ala Ile Asn Ser
79      115      120      125
81 aac tat tac tta gcc atg aac aag aag ggg aaa ctc tat ggc tca aaa 432
82 Asn Tyr Tyr Leu Ala Met Asn Lys Lys Gly Lys Leu Tyr Gly Ser Lys
83      130      135      140
85 gaa ttt aac aat gac tgt aag ctg aag gag agg ata gag gaa aat gga 480
86 Glu Phe Asn Asn Asp Cys Lys Leu Lys Glu Arg Ile Glu Glu Asn Gly
87 145      150      155      160
89 tac aat acc tat gca tca ttt aac tgg cag cat aat ggg agg caa atg 528
90 Tyr Asn Thr Tyr Ala Ser Phe Asn Trp Gln His Asn Gly Arg Gln Met
91      165      170      175
93 tat gtg gca ttg aat gga aaa gga gct cca agg aga gga cag aaa aca 576
94 Tyr Val Ala Leu Asn Gly Lys Gly Ala Pro Arg Arg Gly Gln Lys Thr
95      180      185      190
97 cga agg aaa aac acc tct gct cac ttt ctt cca atg gtg gta cac tca 624
98 Arg Arg Lys Asn Thr Ser Ala His Phe Leu Pro Met Val Val His Ser
99      195      200      205
101 tag 627
104 <210> SEQ ID NO: 2
105 <211> LENGTH: 208
106 <212> TYPE: PRT
107 <213> ORGANISM: Homo sapiens
109 <400> SEQUENCE: 2
110 Met Trp Lys Trp Ile Leu Thr His Cys Ala Ser Ala Phe Pro His Leu
111 1 5 10 15
113 Pro Gly Cys Cys Cys Cys Cys Phe Leu Leu Leu Phe Leu Val Ser Ser
114 20 25 30
116 Val Pro Val Thr Cys Gln Ala Leu Gly Gln Asp Met Val Ser Pro Glu
117 35 40 45
119 Ala Thr Asn Ser Ser Ser Ser Ser Phe Ser Ser Pro Ser Ser Ala Gly
120 50 55 60
122 Arg His Val Arg Ser Tyr Asn His Leu Gln Gly Asp Val Arg Trp Arg
123 65 70 75 80
125 Lys Leu Phe Ser Phe Thr Lys Tyr Phe Leu Lys Ile Glu Lys Asn Gly
126 85 90 95
128 Lys Val Ser Gly Thr Lys Lys Glu Asn Cys Pro Tyr Ser Ile Leu Glu
129 100 105 110
131 Ile Thr Ser Val Glu Ile Gly Val Val Ala Val Lys Ala Ile Asn Ser

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RAW SEQUENCE LISTING

DATE: 01/23/2002

PATENT APPLICATION: US/10/035,212

TIME: 10:09:31

Input Set : A:\seqlist-1488.0360000

Output Set: N:\CRF3\01222002\J035212.raw

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132          115          120          125
134 Asn Tyr Tyr Leu Ala Met Asn Lys Lys Gly Lys Leu Tyr Gly Ser Lys
135          130          135          140
137 Glu Phe Asn Asn Asp Cys Lys Leu Lys Glu Arg Ile Glu Glu Asn Gly
138 145          150          155          160
140 Tyr Asn Thr Tyr Ala Ser Phe Asn Trp Gln His Asn Gly Arg Gln Met
141          165          170          175
143 Tyr Val Ala Leu Asn Gly Lys Gly Ala Pro Arg Arg Gly Gln Lys Thr
144          180          185          190
146 Arg Arg Lys Asn Thr Ser Ala His Phe Leu Pro Met Val Val His Ser
147          195          200          205
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152 <211> LENGTH: 36
153 <212> TYPE: DNA
154 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: Description of Artificial Sequence:
158     oligonucleotide
160 <400> SEQUENCE: 3
161 ccccatgt ggaaatggat actgacacat tgtgcc          36
164 <210> SEQ ID NO: 4
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167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Description of Artificial Sequence:
171     oligonucleotide
173 <400> SEQUENCE: 4
174 cccaagcttc cacaaacggt gccttcctct atgag          35
177 <210> SEQ ID NO: 5
178 <211> LENGTH: 36
179 <212> TYPE: DNA
180 <213> ORGANISM: Artificial Sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: Description of Artificial Sequence:
184     oligonucleotide
186 <400> SEQUENCE: 5
187 catgccatgg cgtgccaaagc ccttggtcag gacatg          36
190 <210> SEQ ID NO: 6
191 <211> LENGTH: 35
192 <212> TYPE: DNA
193 <213> ORGANISM: Artificial Sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: Description of Artificial Sequence:
197     oligonucleotide
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200 cccaagcttc cacaaacggt gccttcctct atgag          35
203 <210> SEQ ID NO: 7
204 <211> LENGTH: 35

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RAW SEQUENCE LISTING

DATE: 01/23/2002

PATENT APPLICATION: US/10/035,212

TIME: 10:09:31

Input Set : A:\seqlist-1488.0360000

Output Set: N:\CRF3\01222002\J035212.raw

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205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Description of Artificial Sequence:
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212 <400> SEQUENCE: 7
213 gcgggatccg ccatcatgtg gaaatggata ctcac          35
216 <210> SEQ ID NO: 8
217 <211> LENGTH: 27
218 <212> TYPE: DNA
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Description of Artificial Sequence:
223     oligonucleotide
225 <400> SEQUENCE: 8
226 gcgcggtacc acaaacgttg ccttcct          27
229 <210> SEQ ID NO: 9
230 <211> LENGTH: 40
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Description of Artificial Sequence:
236     oligonucleotide
238 <400> SEQUENCE: 9
239 taacgaggat ccgccatcat gtggaaatgg atactgacac      40
242 <210> SEQ ID NO: 10
243 <211> LENGTH: 38
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Description of Artificial Sequence:
249     oligonucleotide
251 <400> SEQUENCE: 10
252 taagcactcg agtgagtgta ccaccattgg aagaaatg      38
255 <210> SEQ ID NO: 11
256 <211> LENGTH: 54
257 <212> TYPE: DNA
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Description of Artificial Sequence:
262     oligonucleotide
264 <400> SEQUENCE: 11
265 attaacccctc actaaaggga ggccatgtgg aaatggatac tgacacattg tgcc      54
268 <210> SEQ ID NO: 12
269 <211> LENGTH: 35
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Description of Artificial Sequence:

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RAW SEQUENCE LISTING

DATE: 01/23/2002

PATENT APPLICATION: US/10/035,212

TIME: 10:09:31

Input Set : A:\seqlist-1488.0360000

Output Set: N:\CRF3\01222002\J035212.raw

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275      oligonucleotide
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278 cccaagcttc cacaaacgtt gccttcctct atgag
281 <210> SEQ ID NO: 13
282 <211> LENGTH: 206
283 <212> TYPE: PRT
284 <213> ORGANISM: Homo sapiens
286 <400> SEQUENCE: 13
287 Met Ser Gly Pro Gly Thr Ala Ala Val Ala Leu Leu Pro Ala Val Leu
288 1      5      10      15
290 Leu Ala Leu Leu Ala Pro Trp Ala Gly Arg Gly Gly Ala Ala Ala Pro
291      20      25      30
293 Thr Ala Pro Asn Gly Thr Leu Glu Ala Glu Leu Glu Arg Arg Trp Glu
294      35      40      45
296 Ser Leu Val Ala Leu Ser Leu Ala Arg Leu Pro Val Ala Ala Gln Pro
297      50      55      60
299 Lys Glu Ala Ala Val Gln Ser Gly Ala Gly Asp Tyr Leu Leu Gly Ile
300 65      70      75      80
302 Lys Arg Leu Arg Arg Leu Tyr Cys Asn Val Gly Ile Gly Phe His Leu
303      85      90      95
305 Gln Ala Leu Pro Asp Gly Arg Ile Gly Gly Ala His Ala Asp Thr Arg
306      100     105     110
308 Asp Ser Leu Leu Glu Leu Ser Pro Val Glu Arg Gly Val Val Ser Ile
309      115     120     125
311 Phe Gly Val Ala Ser Arg Phe Phe Val Ala Met Ser Ser Lys Gly Lys
312      130     135     140
314 Leu Tyr Gly Ser Pro Phe Phe Thr Asp Glu Cys Thr Phe Lys Glu Ile
315 145     150     155     160
317 Leu Leu Pro Asn Asn Tyr Asn Ala Tyr Glu Ser Tyr Lys Tyr Pro Gly
318      165     170     175
320 Met Phe Ile Ala Leu Ser Lys Asn Gly Lys Thr Lys Lys Gly Asn Arg
321      180     185     190
323 Val Ser Pro Thr Met Lys Val Thr His Phe Leu Pro Arg Leu
324      195     200     205
327 <210> SEQ ID NO: 14
328 <211> LENGTH: 198
329 <212> TYPE: PRT
330 <213> ORGANISM: Homo sapiens
332 <400> SEQUENCE: 14
333 Met Ser Arg Gly Ala Gly Arg Leu Gln Gly Thr Leu Trp Ala Leu Val
334 1      5      10      15
336 Phe Leu Gly Ile Leu Val Gly Met Val Val Pro Ser Pro Ala Gly Thr
337      20      25      30
339 Arg Ala Asn Asn Thr Leu Leu Asp Ser Arg Gly Trp Gly Thr Leu Leu
340      35      40      45
342 Ser Arg Ser Arg Ala Gly Leu Ala Gly Glu Ile Ala Gly Val Asn Trp
343      50      55      60
345 Glu Ser Gly Tyr Leu Val Gly Ile Lys Arg Gln Arg Arg Leu Tyr Cys
346 65      70      75      80

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VERIFICATION SUMMARY

DATE: 01/23/2002

PATENT APPLICATION: US/10/035,212

TIME: 10:09:32

Input Set : A:\seqlist-1488.0360000

Output Set: N:\CRF3\01222002\J035212.raw

L:21 M:270 C: Current Application Number differs, Replaced Application Number

L:22 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:1110 M:258 W: Mandatory Feature missing, <220> FEATURE: